Akcionarsko društvo za ispitivanje kvaliteta KVALITET Niš
Акционарско друштво за испитивање квалитета КВАЛИТЕТ Ниш
Joint-stock company for quality testing KVALITET Niš

И 005 19

POTVRDA O USAGLAŠENOSTI

CONFIRMATION OF CONFORMITY

Broj: *No.* **P1119046000**

Podnosilac zahteva: *Applicant:* BLUE LINE D.O.O.
11042 BEOGRAD - VOŽDOVAC
SLOBODANA JOVIĆA 15V, SPRAT PR

Proizvod: *Product:* UPRAVLJAČKI TELEKOMUNIKACIONI KABL

Oznaka tipa/modela: *Type:* JE-H(St)H...Bd FE180 E30..E90

Robna marka: *Trademark:*

Proizvodjač: *Manufacturer:* UNAL KABLO SAN. VE TIC. A.S.
TURSKA

Vrednovana dokumentacija *Evaluated documentation:*

Izvešaj/sertifikat: *Test report/Certificate:* KK-F-025 od 11.04.2019

Izdat od: *Issued by:* UNAL KABLO

Na osnovu gore navedene dokumentacije utvrdjeno je da gore navedeni proizvod zadovoljava zahteve 'Pravilnika o električnoj opremi namenjenoj za upotrebu u okviru odredjenih granica napona' (Sl. glasnik RS, 25/2016).
On the basis of the above mentioned documentation it is found that above mentioned product fulfils the requirements of the 'Rulebook on Electrical Equipment designed for Use within Certain Voltage Limits' (Official Gazette RS, 25/2016).

Nastale promene u specifikaciji, tipu/modelu, komponentama, električnim karakteristikama proizvoda koji utiču na usaglašenost sa navedenim Pravilnikom moraju se prijaviti "Kvalitet"-u a.d. Niš.
Any changes occur in the specification, type/model, components of the design, electrical construction which may influence on conformity to the above mention Rulebook, shall be forwarded to "Kvalitet"

Mesto i datum izdavanja: *Place and date:*
Niš, 20.05.2019.

Važi do: *Valid until:*
19.05.2024.

„КВАЛИТЕТ" Н И Ш
М.П. *Seal:*

Generalni direktor

Vladimir Vukašinović, dipl.inž.

Ovaj dokument važi samo za proizvode koji su istovetni sa proizvodima koji su bili predmet vrednovanja.

Akreditovana organizacija

KVALITET

Akcionarsko društvo za ispitivanje kvaliteta
"KVALITET" Niš
Srbija, 18000 Niš, Bulevar Svetog cara Konstantina 80-86
Tel: +381-18-550-766, 550-624; Fax: +381-18-550-636, 550-068

ATC 04-001 АКРЕДИТОВАНО СЕРТИФИКАЦИОНО ТЕЛО SRPS EN ISO/IEC 17065:2013

IZVEŠTAJ O NALAZIMA OCENJIVANJA USAGLAŠENOSTI PROIZVODA br. 04111904950S

S01FO18
(v1.0 S01UP02)

PODNOSILAC ZAHTEVA

Naziv: BLUE LINE D.O.O.

Adresa: SLOBODANA JOVIĆA 15V, SPRAT PR
11042 BEOGRAD - VOŽDOVAC

OPŠTI PODACI O UZORKU

Naziv: UPRAVLJAČKI TELEKOMUNIKACIONI KABL

Tip/model: JE-H(St)H....Bd FE180 E30..E90

Ostali podaci:

Proizvođač: UNAL KABLO SAN. VE TIC. A.S.

TURSKA

PODACI O OCENJIVANJU USAGLAŠENOSTI PROIZVODA

Standardi: DIN VDE 0815; SRPS EN 50395:2010; SRPS EN 60228:2009; SRPS EN 60811-201:2012; SRPS EN 60811-202:2012; SRPS EN 60811-203:2012; SRPS EN 60811-501:2012; SRPS EN 60811-504:2012; SRPS EN 60811-507:2012; SRPS EN 60811-508:2012; IEC 60331-21:1999 ; DIN 4102-12; SRPS EN 60332-1-2:2009; SRPS EN 60332-3-24:2010; SRPS EN 60754-1:2014; SRPS EN 60754-2:2014; SRPS EN 61034-2:2009

Tehnički propis: Pravilnik o električnoj oprema namenjenoj za upotrebu u okviru određenih granica napona (´Sl. glasnik RS´, br. 25/2016)

Napomena: Ocenjivani uzorak zadovoljava sve zahteve navednih standarda i sve zahteve navedenog tehničkog propisa.
Na osnovu toga se izdaje Potvrda o usaglašenosti br. P1119046000.

Rezultati ocenjiavanja usaglašenosti iz ovog izveštaja odnose se samo na ocenjivani uzorak.

Na osnovu rezultata ocenjivanja usagalašenosti utvrđeno je da uzorak ZADOVOLJAVA zahteve gore navedenih standarda i tehničkog propisa

Datum: 2019.05.20

(M.P.)

Direktor Sektora za sertifikaciju:

blueline.rs

TECHNICAL DATASHEET

JE-H(st)H…Bd FE180 / E30-E90

ÜNALKABLO Cable Systems

APPLICATION

Instrumentation and control engineering, industrial electronics, computers and office machines, indoor communication systems, indoor sound systems, in places where human life and valuable materials and equipment need to be protected.

	Total number of cores x Nominal cross section (mm²)	*1x2x0,80+0,80*
	Applicable Standard	*Ref. to DIN VDE 0815, TS 13767*
1	**CONDUCTOR**	
	Applicable standard	*IEC 60228*
	Material of conductor	*Class 1 solid copper wire*
2	**INSULATION**	
	Material of insulation	*Cross-linked elastomer silicone BS EN 50363-1/HD 22.1 S4 EI2*
	Thickness of insulation (mm)	*0,35*
	Identification of cores	*acc.to VDE 0815 (Blue-Red)*
	STRANDING	
	Lay up	*2 pair star quad, more than 2 pairs groups in layers*
3	**SEPARATOR**	
	Material of separator	*PET (Polyester tape)*
	Flame barrier	*Glass fibre tape*
4	**SCREEN**	
	Screen type	*AL/PET (Aluminium/polyester tape) with tinned copper drain wire*
5	**OUTER SHEATH**	
	Material of outer sheath	*HFFR (Halogen free flame retardant) EN 50290-2-27/VDE 0207 HM2)*
	Average thickness of outer sheath (mm)	*0,75*
	Overall cable diameter (mm) approx	*5,00*
	Colour of outer sheath	*ORANGE*
	TECHNICAL DATA	
	Maximum loop resistance of the conductor at 20 °C	*73,20 ohm/km*
	Operating voltage	*225 V*
	Test voltage	*2000 V*
	Insulation resistance	*>100 MΩ.km*
	Mutual capacitance	*100 nF/km*
	Capacitance unbalance	*300 pF/100m*
	Weight of cable (approx)	*37 kg/km*
	TECHNICAL SPECIFICATIONS	
	Min. Bending radius during laying (mm)	*10xCable Ø*
	Flame propagation test on single cable	*EN 60332-1-2, IEC 60332-1-2, NF C32-078-1-2*
	Flame retardant test of bunched cables	*EN IEC 60332-3-24 Cat. C*
	Smoke density	*EN 61034-2, IEC 61034-2, NF C32-073-2*
	Determination of the amount of halogen acid gas	*EN 60754-1, IEC 60754-1*
	Determination of acidity and conductivity	*EN 60754-2, IEC 60754-2*
	Circuit integrity test FE180	*IEC 60331-21*
	Functional integrity E30-E90	*DIN 4102-12*

-5 / +50 °C Working temperature (Mobile)	*-30 / +70 °C Working temperature (Stable)*	*Halogen free*	*IEC 60331-21 Circuit integrity test standard*	*EN/IEC 60332-1-2 EN IEC 60332-3-24 flame test standard*	*Rohs compliance*	*Reach compliance*	*European conformity*	*Eurasian conformity*

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TECHNICAL DATASHEET

JE-H(st)H…Bd FE180 / E30-E90

ÜNALKABLO Cable Systems

APPLICATION

Instrumentation and control engineering, industrial electronics, computers and office machines, indoor communication systems, indoor sound systems, in places where human life and valuable materials and equipment need to be protected.

	Total number of cores x Nominal cross section (mm²)	*2x2x0,80+0,80*
	Applicable Standard	*Ref. to DIN VDE 0815, TS 13767*
1	**CONDUCTOR**	
	Applicable standard	*IEC 60228*
	Material of conductor	*Class 1 solid copper wire*
2	**INSULATION**	
	Material of insulation	*Cross-linked elastomer silicone BS EN 50363-1/HD 22.1 S4 EI2*
	Thickness of insulation (mm)	*0,35*
	Identification of cores	*acc.to VDE 0815 (Blue-Red / Grey-Yellow)*
	STRANDING	
	Lay up	*2 pair star quad, more than 2 pairs groups in layers*
3	**SEPARATOR**	
	Material of separator	*PET (Polyester tape)*
	Flame barrier	*Glass fibre tape*
4	**SCREEN**	
	Screen type	*AL/PET (Aluminium/polyester tape) with tinned copper drain wire*
5	**OUTER SHEATH**	
	Material of outer sheath	*HFFR (Halogen free flame retardant) EN 50290-2-27/VDE 0207 HM2)*
	Average thickness of outer sheath (mm)	*0,80*
	Overall cable diameter (mm) approx	*6,65*
	Colour of outer sheath	*ORANGE*
	TECHNICAL DATA	
	Maximum loop resistance of the conductor at 20 °C	*73,20 ohm/km*
	Operating voltage	*225 V*
	Test voltage	*2000 V*
	Insulation resistance	*>100 MΩ.km*
	Mutual capacitance	*100 nF/km*
	Capacitance unbalance	*300 pF/100m*
	Weight of cable (approx)	*58 kg/km*
	TECHNICAL SPECIFICATIONS	
	Min. Bending radius during laying (mm)	*10xCable Ø*
	Flame propagation test on single cable	*EN 60332-1-2, IEC 60332-1-2, NF C32-078-1-2*
	Flame retardant test of bunched cables	*EN IEC 60332-3-24 Cat. C*
	Smoke density	*EN 61034-2, IEC 61034-2, NF C32-073-2*
	Determination of the amount of halogen acid gas	*EN 60754-1, IEC 60754-1*
	Determination of acidity and conductivity	*EN 60754-2, IEC 60754-2*
	Circuit integrity test FE180	*IEC 60331-21*
	Functional integrity E30-E90	*DIN 4102-12*

-5 / +50 °C Working temperature (Mobile)	*-30 / +70 °C Working temperature (Stable)*	*Halogen free*	*IEC 60331-21 Circuit integrity test standard*	*EN/IEC 60332-1-2 EN IEC 60332-3-24 flame test standard*	*Rohs compliance*	*Reach compliance*	*European conformity*	*Eurasian conformity*

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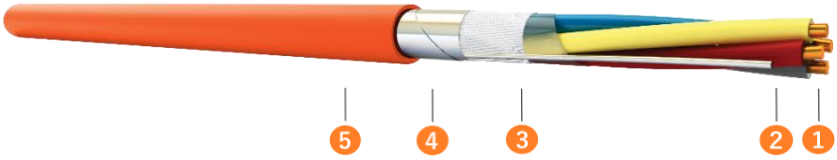
TECHNICAL DATASHEET

JE-H(st)H…Bd FE180 / E30-E90

UNALKABLO Cable Systems

APPLICATION

Instrumentation and control engineering, industrial electronics, computers and office machines, indoor communication systems, indoor sound systems, in places where human life and valuable materials and equipment need to be protected.



Total number of pairs x Nominal wire diameter (mm)	*4x2x0,80+0,80*
Applicable standard	*Ref. to DIN VDE 0815, TS 13767*
1 CONDUCTOR	
Applicable standard	*EN 60228, IEC 60228*
Material of conductor	*Class 1 solid copper wire*
2 INSULATION	
Material of insulation	*Cross-linked Elastomer Silicone acc.to EN 50363-1 EI2*
Nominal thickness of insulation (mm)	*0,35*
Identification of cores	*acc.to VDE 0815 (Blue-Red / Grey-Yellow / Green-Brown / White-Black)*
STRANDING	
Lay up	*2 pair star quad, more than 2 pairs groups in layers*
3 SEPARATOR	
Material of separator	*PET (Polyester tape)*
Flame barrier	*Glass fibre tape*
4 SCREEN	
Screen type	*0,80mm Tinned Drain Wire + AL/PET (Aluminium/polyester tape)*
5 OUTER SHEATH	
Material of outer sheath	*HFFR (Halogen free flame retardant) compound acc.to EN 50290-2-27*
Nominal thickness of outer sheath (mm)	*1,00*
Overall cable diameter (mm) approx	*8,00*
Colour of outer sheath	*ORANGE*
TECHNICAL DATAS AND SPECIFICATIONS	
Maximum loop resistance of the conductor at 20 °C	*73,20 ohm/km*
Operating voltage	*225 V*
AC Test voltage	*Core-core: 500 V ; Core-screen: 2000 V*
Insulation resistance	*>100 MΩ.km*
Mutual capacitance	*120 nF/km at 800Hz*
Capacitance unbalance	*200 pF/100m at 800Hz*
Weight of cable (approx)	*96 kg/km*
Minimum bending radius during laying (mm)	*10xCable Ø*
Flame propagation test on single cable	*EN 60332-1-2, IEC 60332-1-2*
Flame retardant test of bunched cables	*EN IEC 60332-3-24 Cat. C*
Smoke density	*EN 61034-2, IEC 61034-2*
Determination of the amount of halogen acid gas	*EN 60754-1, IEC 60754-1*
Determination of acidity and conductivity	*EN 60754-2, IEC 60754-2*
Circuit integrity test (FE180)	*IEC 60331-21*
Cable system circuit integrity test (E30-E90)	*DIN 4102-12*

-5 / +50 °C Working temperature (Mobile)	*-30 / +70 °C Working temperature (Stable)*	*Halogen free*	*IEC 60331-21 Circuit integrity test standard*	*EN/IEC 60332-1-2 EN IEC 60332-3-24 flame test standard*	*RoHS compliance*	*Reach compliance*	*European conformity*	*Eurasian conformity*

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